

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Previously Presented): A page data receiving method implemented on a terminal unit comprising:

transmitting, from the terminal unit, a first request signal to a page data providing apparatus for requesting first page data;

receiving, at the terminal unit, notification page data from the page data providing apparatus prior to receiving the first page data when the page data providing apparatus determines that the notification page data is stored on a predetermined memory location on the page data providing apparatus, the notification page data providing predetermined notification information related to the first page data; and

receiving, at the terminal unit, the first page data from the page data providing apparatus without receiving notification page data when the page data providing apparatus determines that notification page data is not stored in the predetermined memory location on the page data providing apparatus.

Claim 2 (Previously Presented): The page data receiving method according to claim 1, further comprising:

transmitting, from the terminal unit, a second request signal for requesting second page data to a second page data providing apparatus;

if said second request signal is rejected by the second page data providing apparatus that provides said second page data, requesting the page data providing apparatus to transmit authorization information for making said second page data providing apparatus accept said second request signal, wherein said page data providing apparatus makes a determination in

accordance with the second request signal on whether notification page data is stored in the predetermined memory location;

receiving said authorization information from said page data providing apparatus and address information about said notification page data, according to said request;

wherein said notification page data is received by accessing said page data providing apparatus based on said received address information about said notification page data,

a notification page indicating said notification information is displayed in a display section of the terminal unit, based on said received notification page data, and

said second page data is received from said second page data providing apparatus by transmitting again said second request signal together with said authorization information, according to an operation to said notification page displayed in said display section.

Claim 3 (Previously Presented): The page data receiving method according to claim 2, wherein when in accessing said page data providing apparatus based on said address information about the notification page data, address information corresponding to said second page data is transmitted to the page data providing apparatus, so that said notification page data including address information corresponding to said second page data is received from said page data providing apparatus.

Claim 4 (Previously Presented): The page data receiving method according to claim 2, wherein when in accessing said page data providing apparatus based on said address information about the notification page data, service identification information to identify said second page data is transmitted to the page data providing apparatus, so that said notification page data including additional information corresponding to said service identification information is received from said page data providing apparatus.

Claim 5 (Previously Presented): The page data receiving method according to claim 2, wherein in said notification page data, the status of service corresponding to said second page data is indicated.

Claim 6 (Previously Presented): The page data receiving method according to claim 2, wherein in said first page data, link information to said second page data is included.

Claim 7 (Previously Presented): The page data receiving method according to claim 1, further comprising:

transmitting, from the terminal unit, a second request signal for requesting second web page data to a second page data providing apparatus;

if said second request signal is rejected by the second page data providing apparatus that provides said second page data, requesting the page data providing apparatus to transmit authorization information for making said second page data providing apparatus accept said second request signal;

if said request is rejected by said page data providing apparatus, transmitting user identification information and a password, from said terminal unit, to the page data providing apparatus, wherein said page data providing apparatus makes a determination in accordance with the second request signal on whether notification page data is stored in the predetermined memory location; and

receiving an authentication session ID transmitted from the page data providing apparatus and address information about said notification page data, which are obtained after said page data providing apparatus authenticates said user identification information and password,

wherein said notification page data is received by accessing said first page data providing apparatus by adding said authentication session ID, based on said received address information about said notification page data,

a notification page indicating said notification information is displayed in the display section, based on said received notification page data,

a signal for requesting said information necessary for acceptance is transmitted again to said page data providing apparatus,

said information necessary for acceptance transmitted by said ~~first~~ page data providing apparatus according to said request is received, and

said second page data is received from said second page data providing apparatus after said second request signal is transmitted again together with said information necessary for acceptance.

Claim 8 (Previously Presented): The page data receiving method according to claim 7, wherein when in accessing said page data providing apparatus based on the address information about said notification page data, address information corresponding to said second page data is transmitted to the page data providing apparatus, so that said notification page data including the address information corresponding to said second page data is received from said page data providing apparatus.

Claim 9 (Previously Presented): The page data receiving method according to claim 7, wherein when in accessing said page data providing apparatus based on the address information about said notification page data, service identification information to identify said second page data is transmitted to the page data providing apparatus, so that said

notification page data including additional information corresponding to said service identification information is received from said page data providing apparatus.

Claim 10 (Previously Presented): The page data receiving method according to claim 7, wherein in said notification page data, the status of service corresponding to said second page data is indicated.

Claim 11 (Previously Presented): The page data receiving method according to claim 7, wherein in said first page data, link information to said second page data is included.

Claim 12 (Previously Presented): A page data providing method for implemented on a page data providing apparatus storing notification page data indicating predetermined notification information and first page data, comprising:

receiving, at the page data providing apparatus, a first request signal that requests said first page data and is sent from a terminal unit;

transmitting, from the page data providing apparatus, said notification page data to said terminal unit before transmitting said first page data when determining that the notification page data is stored on a predetermined memory location on the page data providing apparatus, the notification page data providing predetermined notification information related to the first page data; and

transmitting, from the page data providing apparatus, the first page data without transmitting notification page data when the page data providing apparatus determines that notification page data is not stored in the predetermined memory location on the page data providing apparatus.

Claim 13 (Previously Presented): The page data providing method according to claim 12, wherein

wherein if the terminal unit transmits a second request signal to a second page data providing apparatus for requesting second page data and if said second request signal from said terminal unit is rejected by the second page data providing apparatus, receiving a request for authorization information for making the second page data providing apparatus accept said second request signal from said terminal unit, wherein said page data providing apparatus makes a determination in accordance with the second request signal on whether notification page data is stored in the predetermined memory location, and transmitting said authorization information and address information about said notification page data to said terminal unit, and

if there is access from said terminal unit that received said authorization information and the address information about said notification page data based on the above address information, said notification page data is transmitted to said terminal unit, so that a notification page based on said notification page data is displayed in the display section of said terminal unit.

Claim 14 (Previously Presented): The page data providing method according to claim 13, wherein if there is access from said terminal unit based on the address information about said notification page data, if address information corresponding to said second page data is received from said terminal unit, said notification page data including the address information corresponding to the second page data is transmitted to said terminal unit.

Claim 15 (Previously Presented): The page data providing method according to claim 13, wherein if there is access from said terminal unit based on the address information about

said notification page data, if service identification information to identify said second page data is received from said terminal unit, said notification page data including additional information that corresponds to the service identification information is transmitted to said terminal unit.

Claim 16 (Previously Presented): The page data providing method according to claim 13, wherein in said notification page data, also the status of service corresponding to said second page data is indicated.

Claim 17 (Previously Presented): The page data providing method according to claim 13, wherein in said first page data, also link information to said second page data is included.

Claim 18 (Previously Presented): The page data providing method according to claim 12, wherein

wherein if the terminal unit transmits a second request signal to a second page data providing apparatus for requesting second page data and if said second request signal from said terminal unit is rejected by the second page data providing apparatus, receiving with an authentication session ID a signal that requests authorization information for making the second page data providing apparatus accept said second request signal, wherein said page data providing apparatus makes a determination in accordance with the second request signal on whether notification page data is stored in the predetermined memory location, and when the validity period of said authentication session ID has been expired, transmitting an authentication response indicating an authentication error to said terminal unit;

receiving user identification information and a password from said terminal unit;

performing authentication processing based on said user identification information and password, issuing an authentication session ID, and if there is said notification page data in the predetermined memory location, transmitting the authentication session ID to said terminal unit together with address information about the above notification page; and

performing authentication processing by said authentication session ID in response to access to the address of said notification page data to which said authentication session ID has been added, and if the authentication is allowed, the above notification page data is transmitted to said terminal unit.

Claim 19 (Previously Presented): The page data providing method according to claim 18, wherein when the page data providing apparatus has been accessed from said terminal unit based on the address information about said notification page data, if address information corresponding to said second page data is received from said terminal unit, said notification page data including the address information corresponding to the above second page data is transmitted to said terminal unit.

Claim 20 (Previously Presented): The page data providing method according to claim 18, wherein when the page data providing apparatus has been accessed from said terminal unit based on the address information about said notification page data, if service identification information to identify said second page data is received from said terminal unit, said notification page data including additional information that corresponds to the above service identification information is transmitted to said terminal unit.



Claim 21 (Previously Presented): The page data providing method according to claim 18, wherein in said notification page data, the status of service corresponding to said second page data is indicated.

Claim 22 (Previously Presented): The page data providing method according to claim 18, wherein in said first page data, link information to said second page data is included.

Claim 23 (Previously Presented): A terminal unit comprising:  
transmitting means for transmitting a first request signal to a page data providing apparatus for requesting first page data; and  
receiving means, for receiving, notification page data from the page data providing apparatus prior to receiving the first page data when the page data providing apparatus determines that the notification page data is stored on a predetermined memory location on the page data providing apparatus, the notification page data providing predetermined notification information related to the first page data, and receiving the first page data from the page data providing apparatus without receiving notification page data when the page data providing apparatus determines that notification page data is not stored in the predetermined memory location on the page data providing apparatus.

Claim 24 (Previously Presented): The terminal unit according to claim 23, wherein:  
said transmitting means transmits a second request signal to a second page data providing apparatus for requesting second page data,  
wherein if said second request signal transmitted by said transmitting means is rejected by the second page data providing apparatus that provides said second page data, said transmitting means transmits a request signal for requesting the page data providing

apparatus to transmit authorization information for making said second page data providing apparatus accept said second request signal, wherein said page data providing apparatus makes a determination in accordance with the second request signal on whether notification page data is stored in the predetermined memory location;

said receiving means,

receives said authorization information transmitted from said first page data providing apparatus according to said request, and address information about said notification page data,

receives said notification page data by accessing said first page data providing apparatus, based on said received address information about said notification page data, and

transmits said notification page in which notification information is indicated to a display section, based on said received notification page data; and

said transmitting means,

transmits again said second request signal together with said authorization information, according to an operation to said notification page displayed in said display section; and

said receiving means,

receives said second page data from said second page data providing apparatus in response to said retransmission.

Claim 25 (Previously Presented): The terminal unit according to claim 24, wherein said receiving means, when in accessing said page data providing apparatus based on the address information about said notification page data, transmits address information that corresponds to said second page data to the page data providing apparatus, so as to receive

said notification page data including the address information corresponding to said second page data from said page data providing apparatus.

Claim 26 (Previously Presented): The terminal unit according to claim 24, wherein said receiving means, when in accessing said page data providing apparatus based on the address information about said notification page data, transmits service identification information to identify said second page data to the page data providing apparatus, so as to receive said notification page data including additional information that corresponds to said service identification information from said page data providing apparatus.

Claim 27 (Previously Presented): The terminal unit according to claim 23, wherein: said transmitting means transmits a second request signal to a second page data providing apparatus for requesting second page data,

wherein if said second request signal transmitted by said transmitting means is rejected by the second page data providing apparatus that provides said second page data, said transmitting means transmits a request signal for requesting the page data providing apparatus to transmit authorization information for making said second page data providing apparatus accept said second request signal, wherein said page data providing apparatus makes a determination in accordance with the second request signal on whether notification page data is stored in the predetermined memory location, and

if said request is rejected by said page data providing apparatus, said transmitting means transmits user identification information and a password to the page data providing apparatus;

said receiving means,

receives an authentication session ID transmitted from the page data providing apparatus as a result of that said page data providing apparatus authenticates said user identification information and password, and the address information about said notification page data,

receives said notification page data by accessing said page data providing apparatus by adding said authentication session ID based on said received address information about said notification page data, and

transmits a notification page in which said notification information is indicated to a display section, based on said received notification page data;

said transmitting means,

transmits again said signal for requesting information necessary for acceptance to said page data providing apparatus;

said receiving means,

receives said authorization information transmitted by said page data providing apparatus, according to said request;

said transmitting means,

transmits again said second request signal together with said information; and

said receiving means,

receives said second page data from said second page data providing apparatus, according to said retransmission.

Claim 28 (Previously Presented): The terminal unit according to claim 27, wherein said receiving means, when in accessing said page data providing apparatus based on the address information about said notification page data, transmits address information that corresponds to said second page data to the page data providing apparatus, so as to receive

said notification page data including the address information corresponding to said second page data from said page data providing apparatus.

Claim 29 (Previously Presented): The terminal unit according to claim 27, wherein when in accessing said page data providing apparatus based on the address information about said notification page data, service identification information to identify said second page data is transmitted to the page data providing apparatus, so that said notification page data including additional information that corresponds to said service identification information is received from said page data providing apparatus.

Claim 30 (Previously Presented): A page data providing apparatus storing notification page data indicating predetermined notification information and first page data, comprising:

receiving means for receiving a first request signal for requesting said first page data from a terminal unit; and

transmitting means, for transmitting said notification page data to said terminal unit, when determining that the notification page data is stored on a predetermined memory location on the page data providing apparatus, the notification page data providing predetermined notification information related to the first page data and for transmitting the first page data without transmitting notification page data when the page data providing apparatus determines that notification page data is not stored in the predetermined memory location on the page data providing apparatus.

Claim 31 (Previously Presented): The page data providing apparatus according to claim 30, wherein:

wherein if the terminal unit transmits a second request signal to a second page data providing apparatus for requesting second page data and said second request signal from said terminal unit is rejected by a second page data providing apparatus, and said terminal unit requests authorization information for making the second page data providing apparatus accept said second request signal, wherein said page data providing apparatus makes a determination in accordance with the second request signal on whether notification page data is stored in the predetermined memory location, said transmitting means transmits said authorization information and address information about said notification page data to said terminal unit; and

if said receiving means is accessed from said terminal unit based on the address information, said transmitting means transmits said notification page data to said terminal unit, so that a notification page based on said notification page data is displayed in the display section of said terminal unit.

Claim 32 (Previously Presented): The page data providing apparatus according to claim 31, wherein

when said receiving means has been accessed from said terminal unit based on the address information about said notification page data, if said receiving means receives address information corresponding to said second page data from said terminal unit, said transmitting means, transmits said notification page data including the address information corresponding to the second page data to said terminal unit.

Claim 33 (Previously Presented): The page data providing apparatus according to claim 31, wherein

when said receiving means has been accessed from said terminal unit based on the address information about said notification page data, if said receiving means receives service identification information for identifying said second page data from said terminal unit, said transmitting means, transmits said notification page data including additional information that corresponds to the service identification information to said terminal unit.

Claim 34 (Previously Presented): The page data providing apparatus according to claim 31, wherein;

in said notification page data, the status of service corresponding to said second page data is indicated.

Claim 35 (Previously Presented): The page data providing apparatus according to claim 31, wherein in said first page data, link information to said second page data is included.

Claim 36 (Previously Presented): The page data providing apparatus according to claim 30, wherein:

wherein if the terminal unit transmits a second request signal to a second page data providing apparatus for requesting second page data and said second request signal from said terminal unit was rejected by a second page data providing apparatus, said receiving means receives a signal for requesting authorization information for making the second page data providing apparatus accept said second request signal together with an authentication session ID, wherein said page data providing apparatus makes a determination in accordance with the second request signal on whether notification page data is stored in the predetermined memory location;

said transmitting means,  
when the validity period of said authentication session ID has expired,  
transmits an authentication response indicating the authentication error to said terminal unit;  
said receiving means,  
receives user identification information and a password from said terminal unit; and  
said transmitting means,  
performs authentication processing based on said user identification information and password, issues an authentication session ID, and if there is said notification page data in the predetermined memory location, transmits said notification page data to said terminal unit together with address information about the notification page data, performs authentication processing by said authentication session ID according to access to the address of said notification page data to which said authentication session ID has been added, and if the authentication is allowed, transmits the above notification page data to said terminal unit.

Claim 37 (Previously Presented): The page data providing apparatus according to claim 36, wherein when said receiving means has been accessed from said terminal unit based on the address information about said notification page data, if said receiving means receives address information corresponding to said second page data from said terminal unit, said transmitting means transmits said notification page data including the address information corresponding to the second page data to said terminal unit.

Claim 38 (Previously Presented): The page data providing apparatus according to claim 36, wherein when said receiving means has been accessed from said terminal unit based on the address information about said notification page data, if said receiving means



receives service identification information for identifying said second page data from said terminal unit, said transmitting means transmits said notification page data including additional information that corresponds to the service identification information to said terminal unit.

Claim 39 (Previously Presented): The page data providing apparatus according to claim 36, wherein in said notification page data, also the status of service corresponding to said second page data is indicated.

Claim 40 (Previously Presented): The page data providing apparatus according to claim 36, wherein in said first page data, also link information to said second page data is included.

Claim 41 (Previously Presented): A computer readable storage medium encoded with computer executable instructions, which when executed by a terminal unit, cause the terminal unit to perform a method comprising:

transmitting, from the client terminal device, a first request signal to a page data providing apparatus for requesting first page data;

receiving, at the client terminal device, notification page data from the page data providing apparatus prior to receiving the first page data when the page data providing apparatus determines that the notification page data is stored on a predetermined memory location on the page data providing apparatus, the notification page data providing predetermined notification information related to the first page data; and

receiving, at the client terminal device, the first page data from the page data providing apparatus without receiving notification page data when the page data providing

apparatus determines that notification page data is not stored in the predetermined memory location on the page data providing apparatus.

Claim 42 (New): The page data receiving method according to Claim 1, wherein the notification page data provides predetermined notification information related to maintenance information of the page data providing apparatus.

Claim 43 (New): The page data receiving method according to Claim 1, wherein the notification page data is received at the terminal unit without being requested from a user of the terminal unit.